FHWA REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

PROJECT DESCRIPTION

I. GENERAL

This project involves the installation of loop detectors at the Liberty Crossroads Shopping Center between Old Court Road and Courtleigh Drive in Baltimore County, Maryland. MD 26 is considered to run in an east/west direction.

II. INTERSECTION OPERATION

The existing intersection operations will be utilized at both the MD 26 and Old Court Road and the MD 26 and Courtleigh Drive intersections. This modification will involve the installation of loop detectors at the Liberty Crossroads Shopping Center Exit/Entrance located between these two intersections. Through a special relay package the loop detector calls shall place a one time pedestrian call for the side street pedestrian phase at the MD 26 and Old Court Road intersection and via the existing interconnect cable shall place a one time pedestrian call for the side street pedestrian phase at the MD 26 and Courtleigh Drive intersection. This is intended to allow gaps in mainline traffic for exiting/entering traffic for the Liberty Crossroads Shopping Center.

III. SPECIAL NOTE

The SHA signal operations forces will be responsible for the installation of the special relay packages at the MD 26 and Old Court Road and MD 26 and Courtleigh Drive intersections. They will also be responsible for the wiring of the new rack mounted detector amplifier racks at the MD 26 and Old Court Road intersection. The contractor shall notify Mr. Ed Rodenhizer at 410-787-7650 a minimum of seventy-two (72) hours in advance of the intended work.

EQUIPMENT LIST

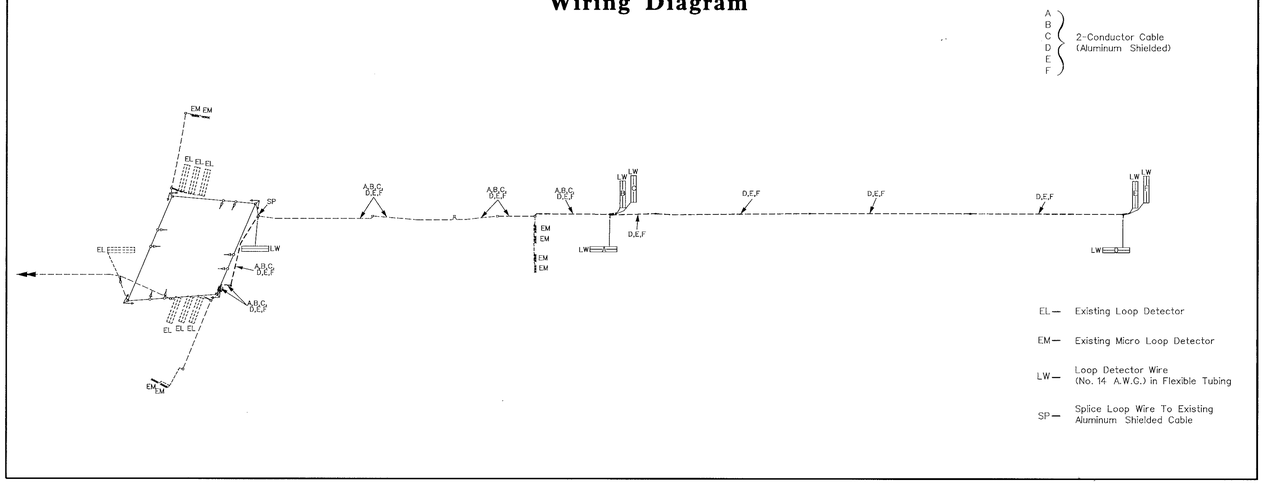
A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
2	EA	817	Detector rack retrofit.
2	EA	---	Detector rack power supply.
7	EA	---	4-channel rack mounted loop detector amplifer.

B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

Quantity	Units	Specification Section	Description
Lump Sum	LS	108	Mobilization.
Lump Sum	LS	104	Maintenance of traffic.
6	EA	811	Handhole.
875	LF	815	Sawcut for signal loop detector.
3300	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.
5000	LF	805	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).
60	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.
640	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
55	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
25	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.
90	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.
1	EA	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit bend in existing base.
85	LF	500	24 in. wide HAPPTPM - white for stop line.
Lump Sum	LS	---	As-built for S.H.A [on CADD].

Wiring Diagram



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Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: Jamie Storck
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(General Information)
MD 26 at Liberty Crossroads Shopping Center
COUNTY: BALTIMORE LOG MILE *

DATE: February 2, 1998 F.A.P. NO. N/A
SCALE: N/A S.H.A. NO.

TS/STD. NO. **839D-GI**

SHEET NO. 2 of 2